

In the Claims

Cancel claims 11, 12, 14, 15, and 25.

Please amend claims 13, 21, 23, and 24 as follows:

Claims 1-12 (Canceled)

13. (Currently Amended) A photocatalyst reaction apparatus comprising a water tank used for mixing ozone formed by radiating ultraviolet rays of a short wavelength of 183 to 184 nm to air with water to be treated, and at least two water tanks connected in series, on at least a part of the inner wall surface of which tank a photocatalyst is provided through a protective layer containing lithium silicate, the water tanks further having means for introducing water to be treated, means for discharging the treated water, and means for radiating ultraviolet rays each provided at or in the water tanks, the means for radiating ultraviolet rays provided in a first water tank is means for radiating ultraviolet rays of a medium wavelength of 170 to 260 nm, and the means for radiating ultraviolet rays provided in a second water tank is means for radiating ultraviolet rays of a long wavelength of 310 to 370 nm.

Claims 14 and 15 (Canceled)

21. (Currently Amended) The photocatalyst reaction apparatus according to claim 14~~3~~, wherein said protective layer containing lithium silicate is a film obtained by applying a paint prepared from a vehicle containing 80 to 90% by weight of lithium silicate and 10 to 20% by weight of sodium silicate on the surface of said substrate.

22. (Previously Presented) The photocatalyst reaction apparatus according to claim 21 wherein said vehicle further contains 0.1 to 10% by weight of a resin emulsion which is not gelatinized under an alkaline condition of a pH of 11 to 12.

23. (Currently Amended) The photocatalyst reaction apparatus according to claim 13~~4~~ wherein said photocatalyst is titanium oxide.

24. (Currently Amended) The photocatalyst reaction apparatus according to claim 143, wherein said photocatalyst is in a shape of a layer of particles.

Claim 25 (Canceled)